

POWER BUS FOR REMOVABLE REFRIGERATOR SHELVES**ABSTRACT OF THE DISCLOSURE**

5 A power bus, connected to a 24V isolated power supply, is provided in a refrigerator where removable shelves can be selectively connected to it. Each shelf has a user interface and a circuit to control a microenvironment within the refrigerator, partially bounded by the shelf. Data between the shelf and a control circuit in the refrigerator can be transmitted over the power bus, or by other methods.